

Solid 17 of said solid electrolytic substrate layers and said at least one insulating substrate layer; and]

C said [first and second boundary layers have] boundary layer has a sintered particle size larger than [those] that of said [substrate layers] solid electrolytic substrate layer or said insulating substrate layer.

Claim 2, line 2, replace “first and second boundary layers have” with --
boundary layer has--.

Claim 4, line 2, replace “first and second boundary layers comprise” with --
boundary layer comprises--.

Claim 6, line 2, replace “first and second boundary layers have” with --
boundary layer has--.

Add new claims 7 and 8 as follows:

Sub H 7. The multilayered air-fuel ratio sensor according to claim 1, wherein said multilayered substrate layers comprise a plurality of solid electrolytic substrate layers, and said boundary layer is interposed between two solid electrolytic substrate layers without any other intervening layer.

C 8. The multilayered air-fuel ratio sensor according to claim 1, wherein the sintered particle size of said boundary layer is larger than these *that* of said solid electrolytic substrate layer and said insulating substrate layer.--